

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-20. (canceled)

21. (new) A material for medical or veterinary usage, in particular for the realization of endo-bone implants, in particular dental implants, or for the realization of bone prostheses, which material is in the form of a molded piecework, made of 65% to 90% by weight of a biocompatible binder and 10% to 35% by weight of at least one compound for adding calcium and phosphorus, said material comprising a surface having micro-pores through which emerges the compound for adding calcium and phosphorus.

22. (new) A material according to claim 21, which comprises calcium phosphate as said compound enabling the addition of calcium and of phosphorus, which calcium phosphate is derived from calcium hydroxyapatite and/or dicalcic or tricalcic phosphate.

23. (new) A material according to claim 21, which comprises a binder in the form of a thermoplastic polymer.

24. (new) A material according to claim 23, which comprises a binder in the form of a thermoplastic polymer such as PEEK (polyetheretherketon).

25. (new) A material according to claim 21, which comprises a binder in the form of a natural polymer such as cellulose.

26. (new) A material according to claim 21, which comprises a compound of zeolite or oxide type, such as TiO<sub>2</sub>, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub> or ZrO<sub>2</sub>.

27. (new) A material device according to claim 21, which also comprises complementary component(s) in the form of calcium hydroxyapatite and/or dicalcic or tricalcic phosphate, and is possibly associated with at least one zeolite or an oxide.

28. (new) A method of preparation of material for medical or veterinary usage, which material is in the form of a molded piecework, made of a biocompatible binder and at least one compound for adding calcium and phosphorus, which method comprises:

mixing homogeneously 65% to 90% by weight of a biocompatible binder and 10% to 35% by weight of at least one compound for adding calcium and phosphorus,

subjecting the mixture thus obtained to a molding operation,

performing one or several surface pickling and decontamination operations on the molded piecework, such that the surface of said molded piecework has micro-pores through which emerges the compound for adding calcium and phosphorus, and

packaging aseptically said decontaminated piecework.

29. (new) A method according to claim 28, wherein the surface pickling operation is conducted in at least one bath in a solution subjected to ultrasound.

30. (new) A method according to claim 28, wherein the surface pickling operation is conducted in at least one pickling product bath subjected to ultrasound.

31. (new) A method according to claim 28, wherein the surface treatment is conducted by passing the molded material through different successive baths subjected to ultrasound.

32. (new) A method according to claim 28, wherein the surface treatment is conducted by passing the molded material through at least an acid bath of hydrochloric acid or sulphuric acid.

33. (new) A method according to claim 28, wherein the surface treatment is conducted by passing the material through at least one acetone bath.

34. (new) A method according to claim 28, wherein the surface treatment is conducted by passing the material through at least one hydrogen peroxide bath.

35. (new) A method according to claim 28, wherein the surface treatment is conducted by passing the material through at least one sodium hypochloride bath.

36. (new) A method according to claim 28, which also comprises subjecting the molded part to a decontamination treatment by means of baths conducting the surface

pickling/decontamination treatment, associated with at least one complementary bath of decontaminating product.

37. (new) A method according to claim 28, wherein the surface pickling and decontamination operations consist in passing the molded part through successive baths of hydrochloric or sulphuric acid, acetone, hydrogen peroxide, sodium hypochloride and hypochlorite disinfectant product(s), subjected to ultrasound, separated by operations consisting in water rinsing or passing through water baths subjected to ultrasound.

38. (new) A method according to claim 28, which also comprises subjecting the molded part to a sterilization operation by autoclave after passing through at least one solution bath subjected to ultrasound.

39. (new) An application of the material according to claim 21 for the production of endo-bone implants, in particular dental implants.

40. (new) An application of the material according to claim 21 for the production of bone prostheses.